

FIG. 1A

Title: Software Instrumentation Method and Apparatus
Inventor(s): Beck et al.
Atty Docket No. ATC-001 (5051/2)
Atty: R. Stephen Rosenholm
Express Mail Mailing Label No. EL825369805US

FIG. 1A

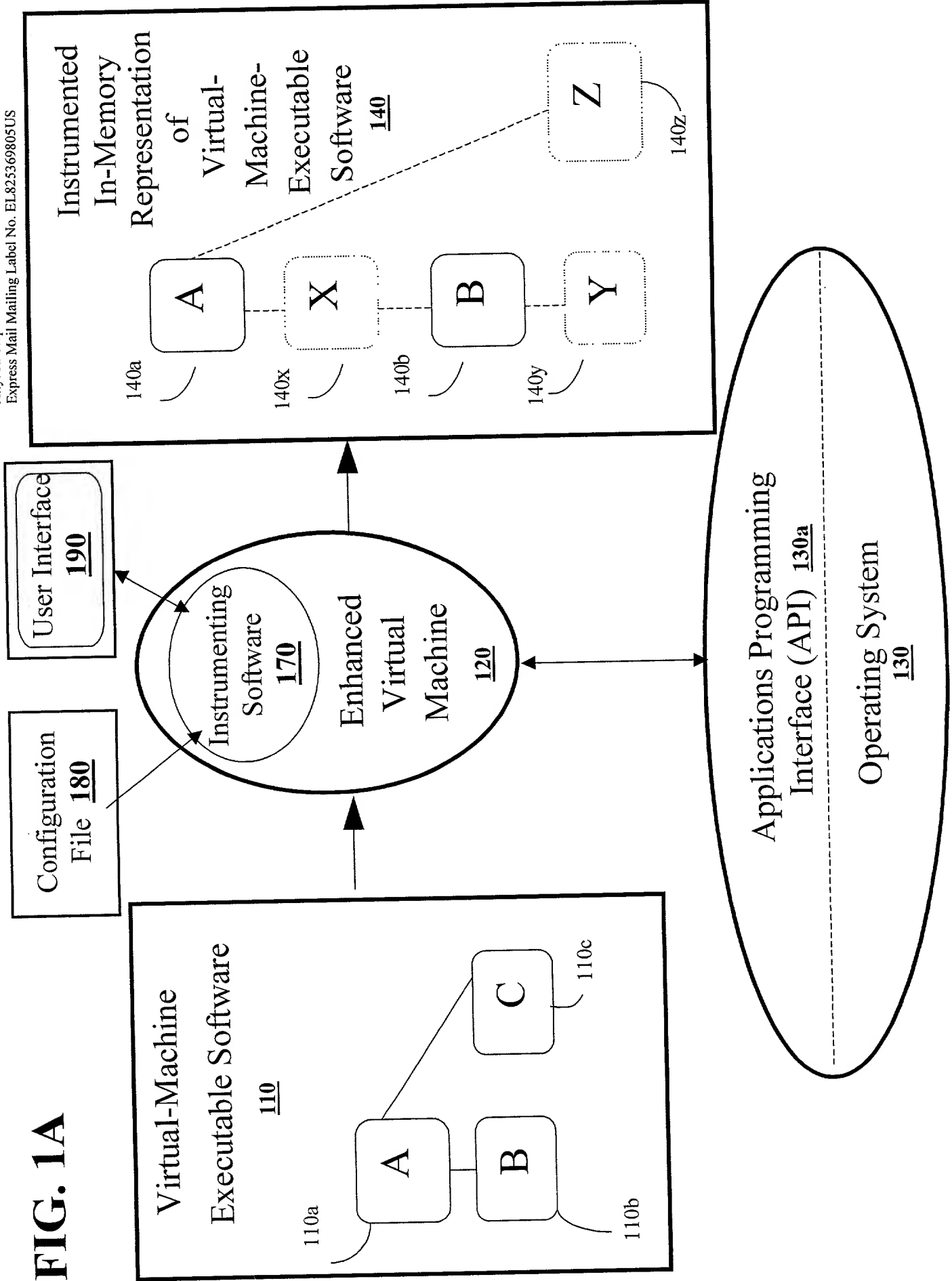


FIG. 1B

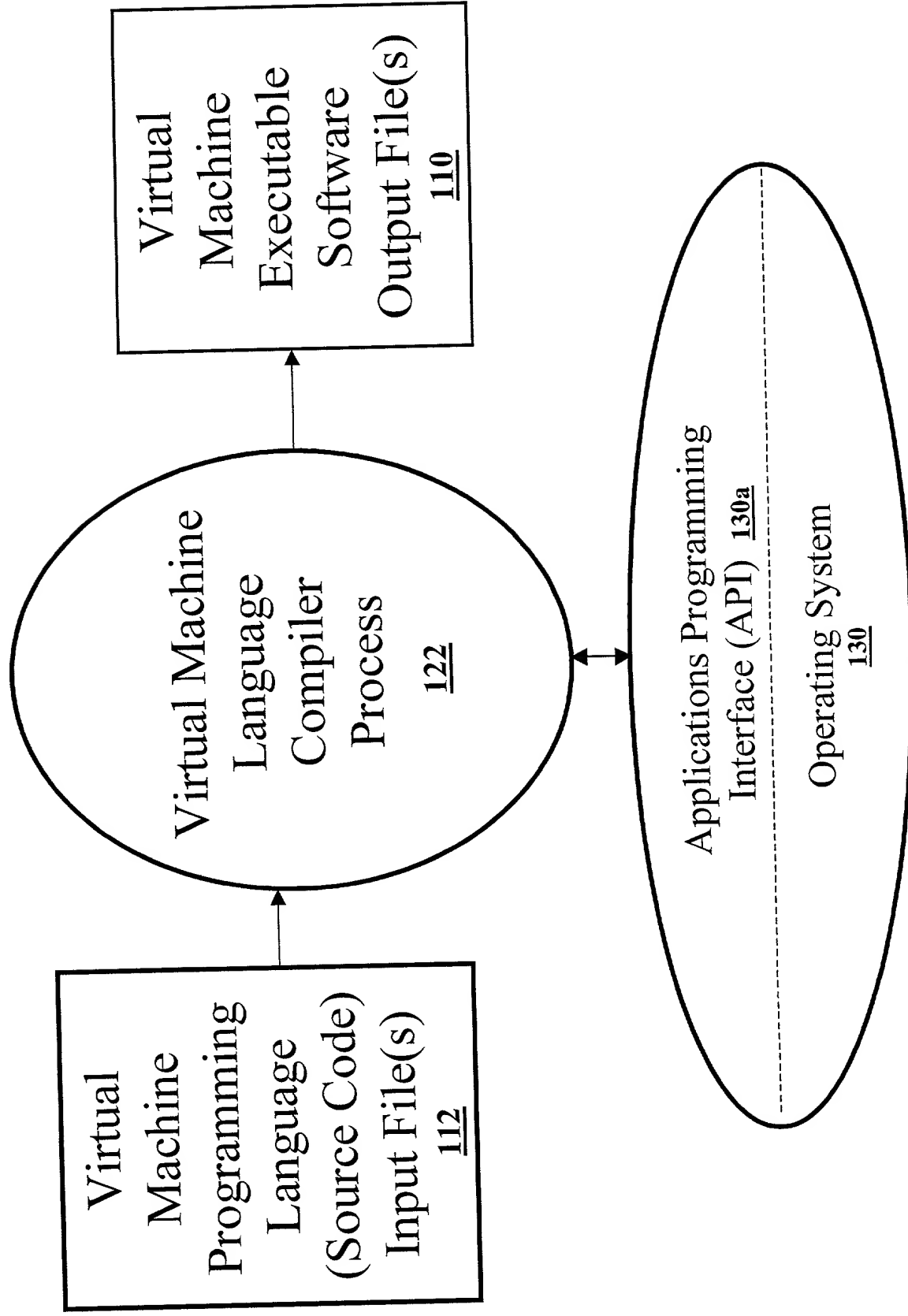


FIG. 1C

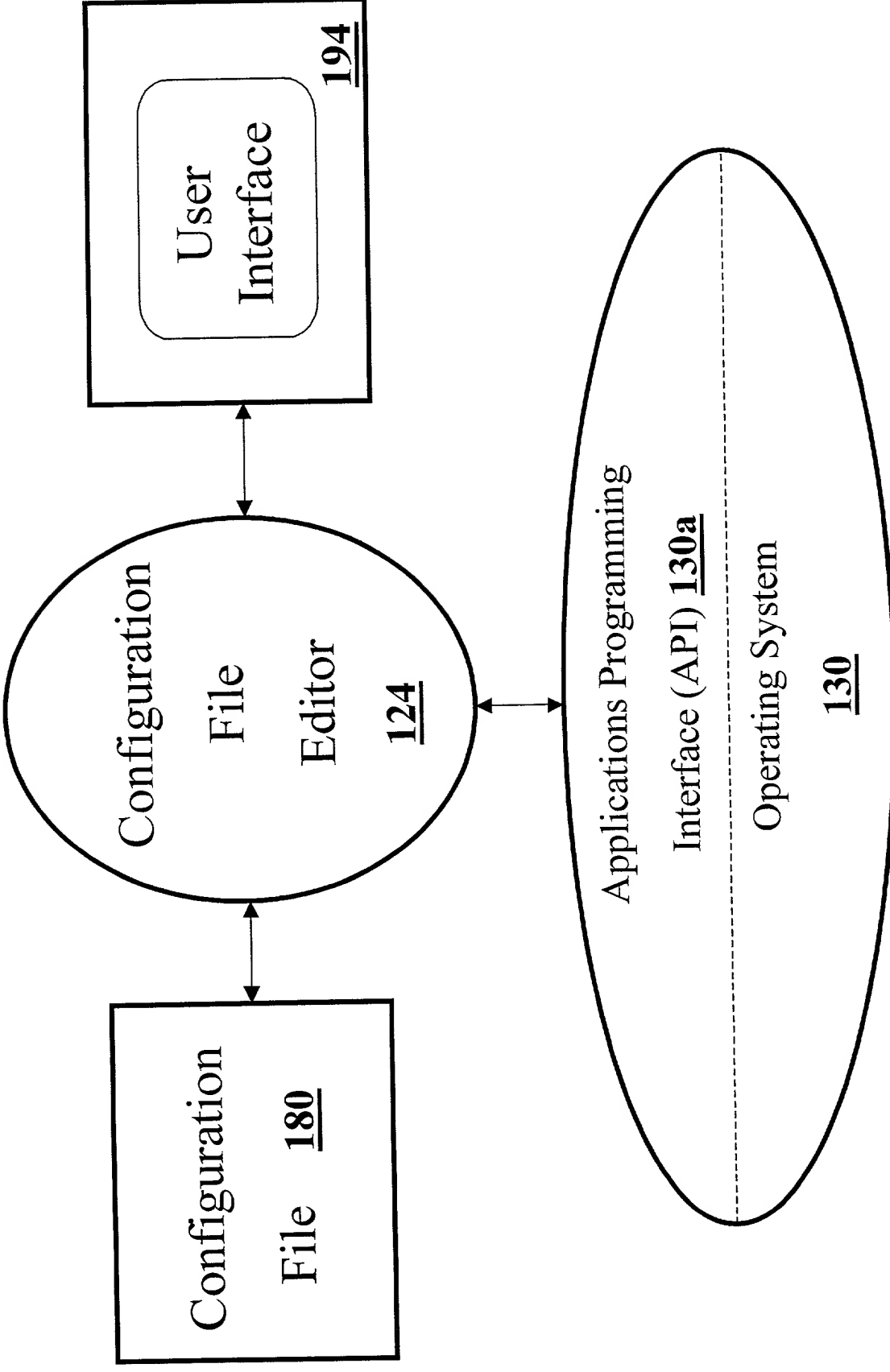


FIG. 2

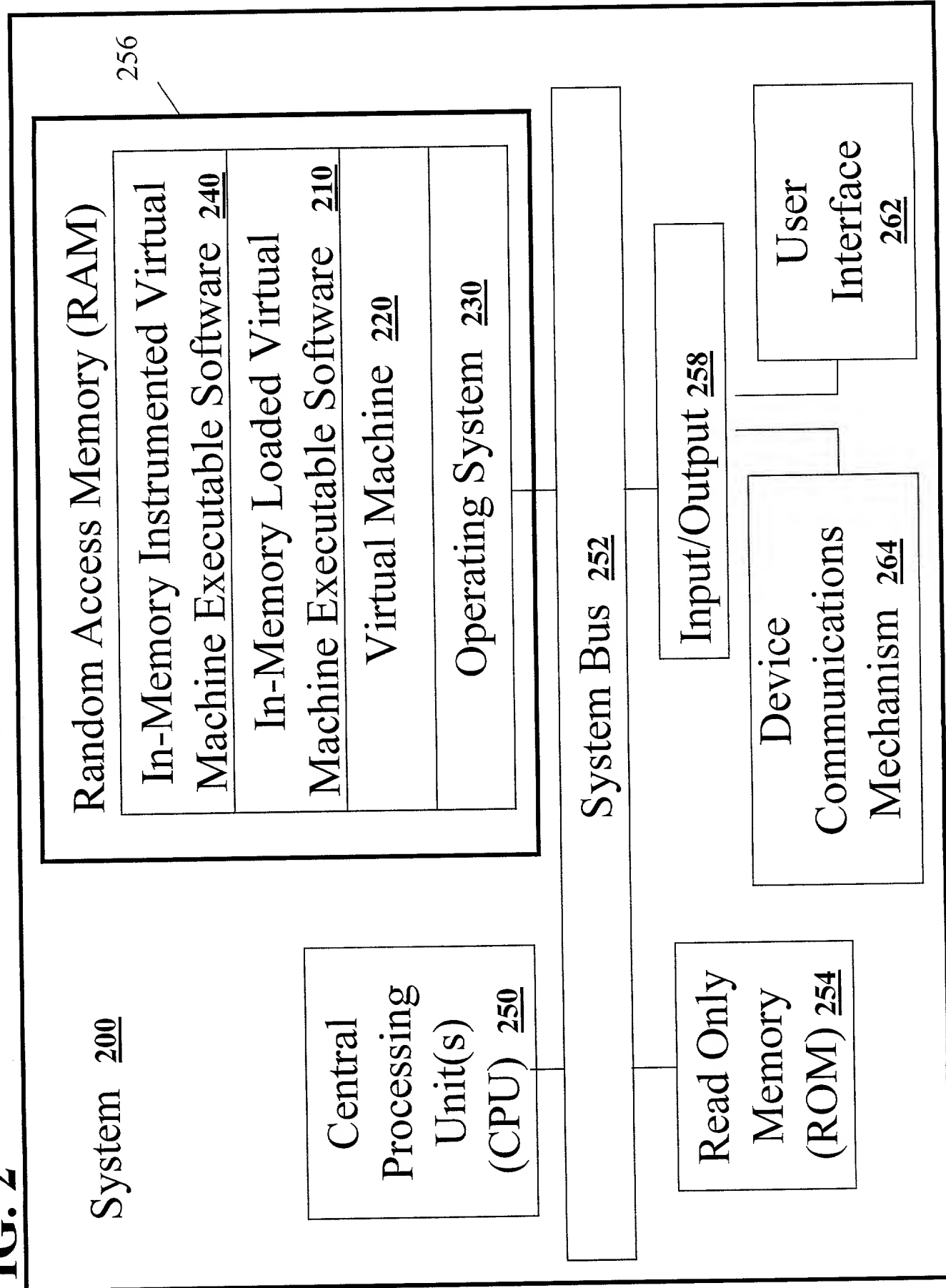
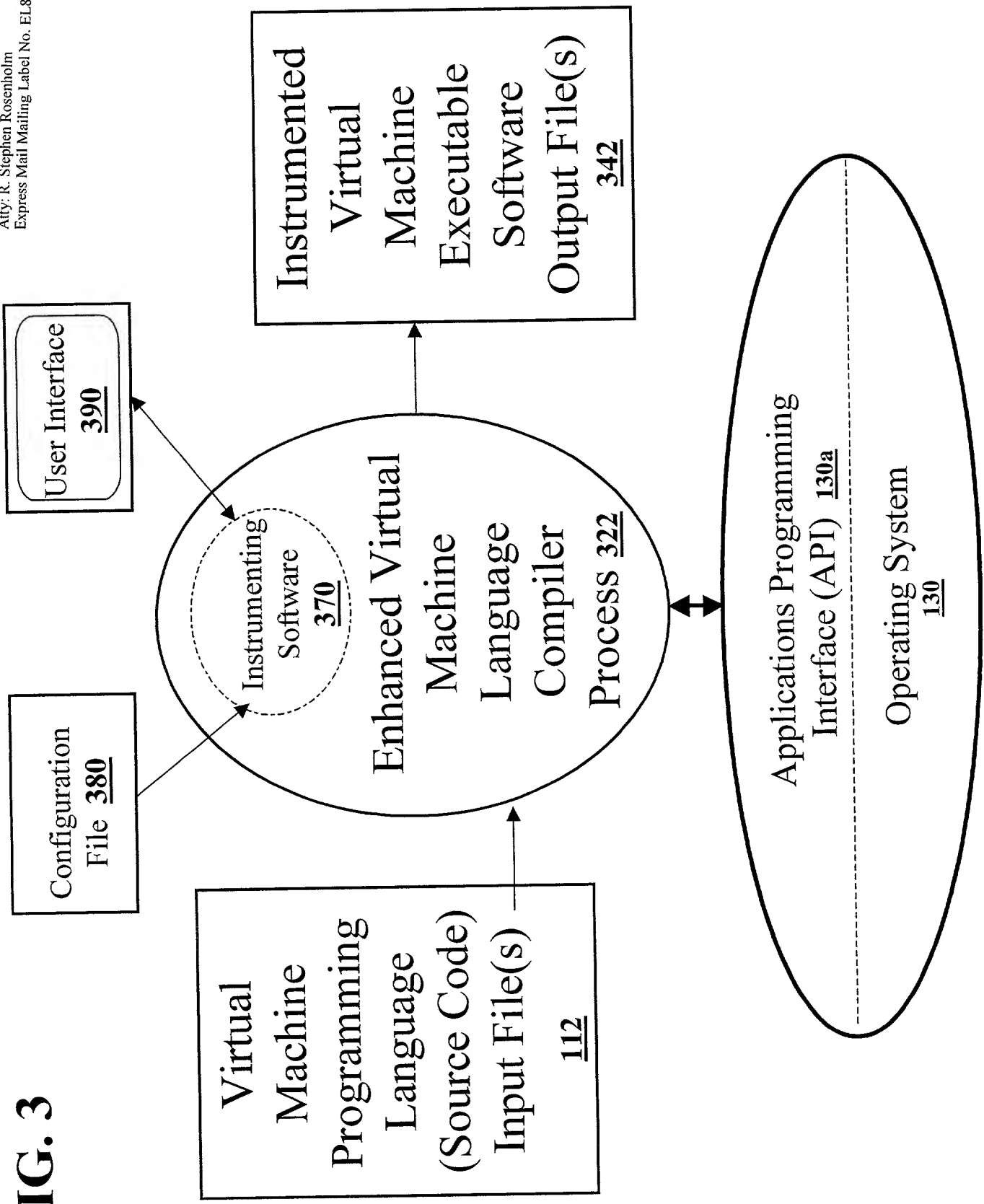


FIG. 3



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FIG. 4 Class/Object Internal Components

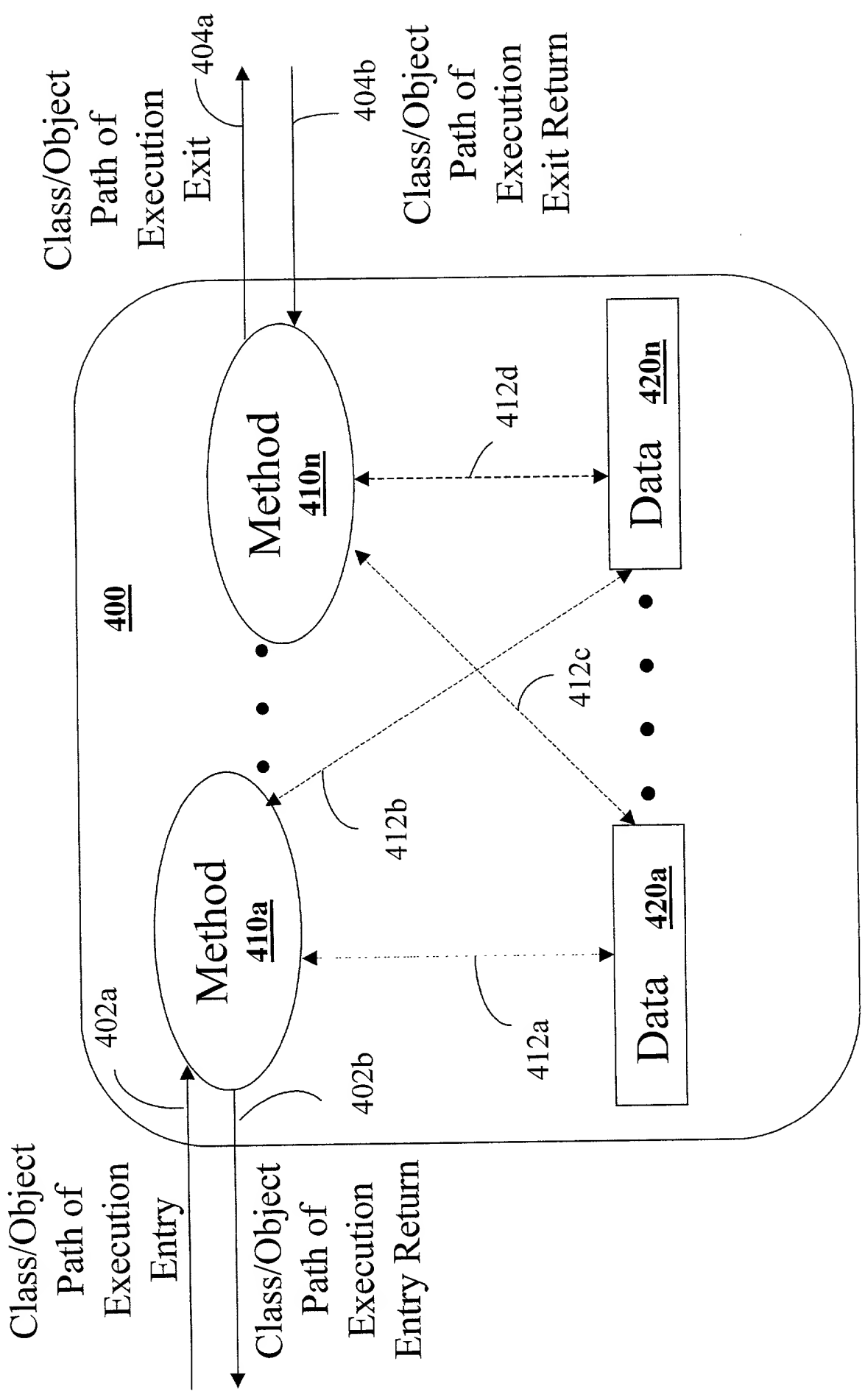
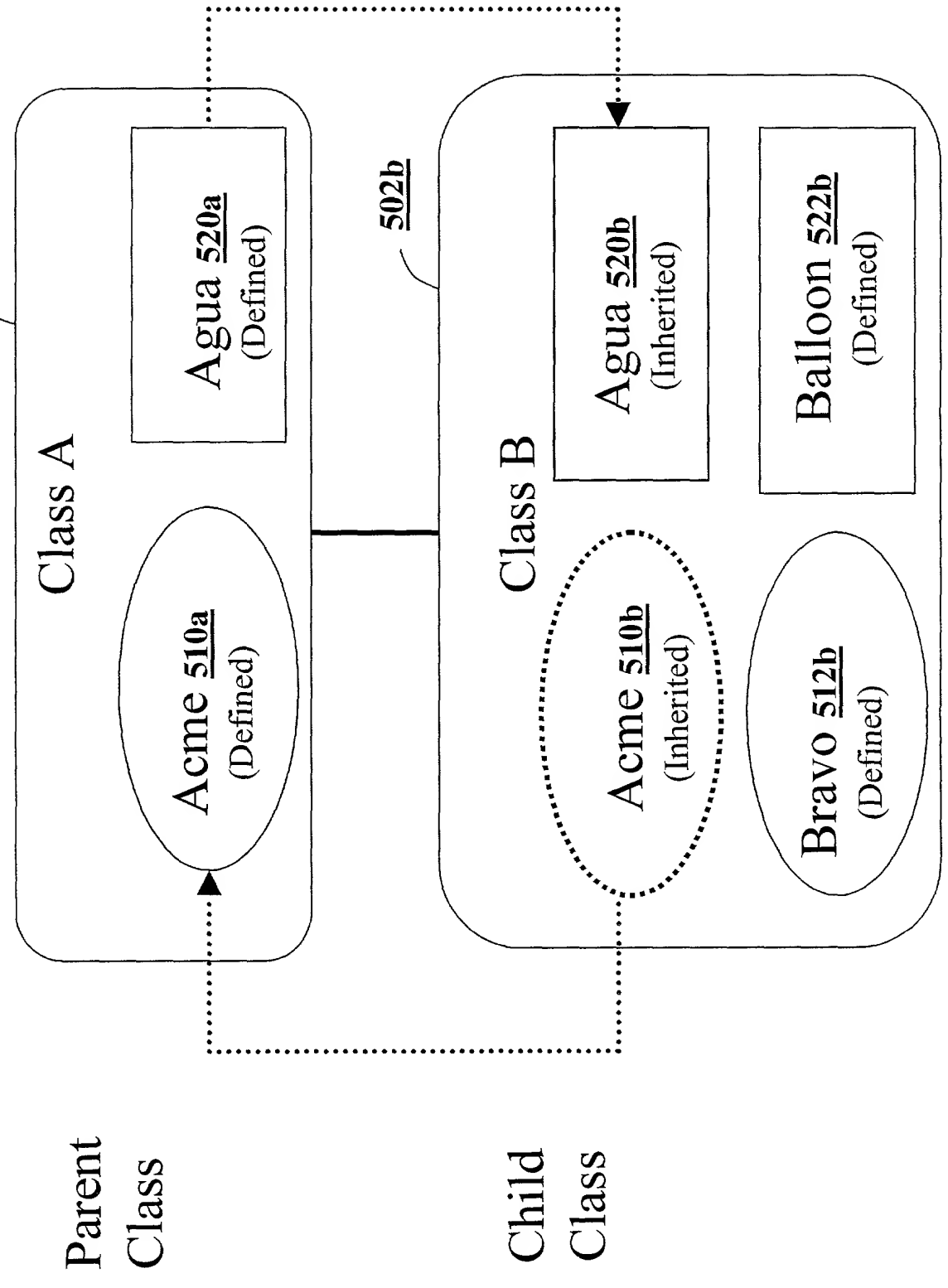


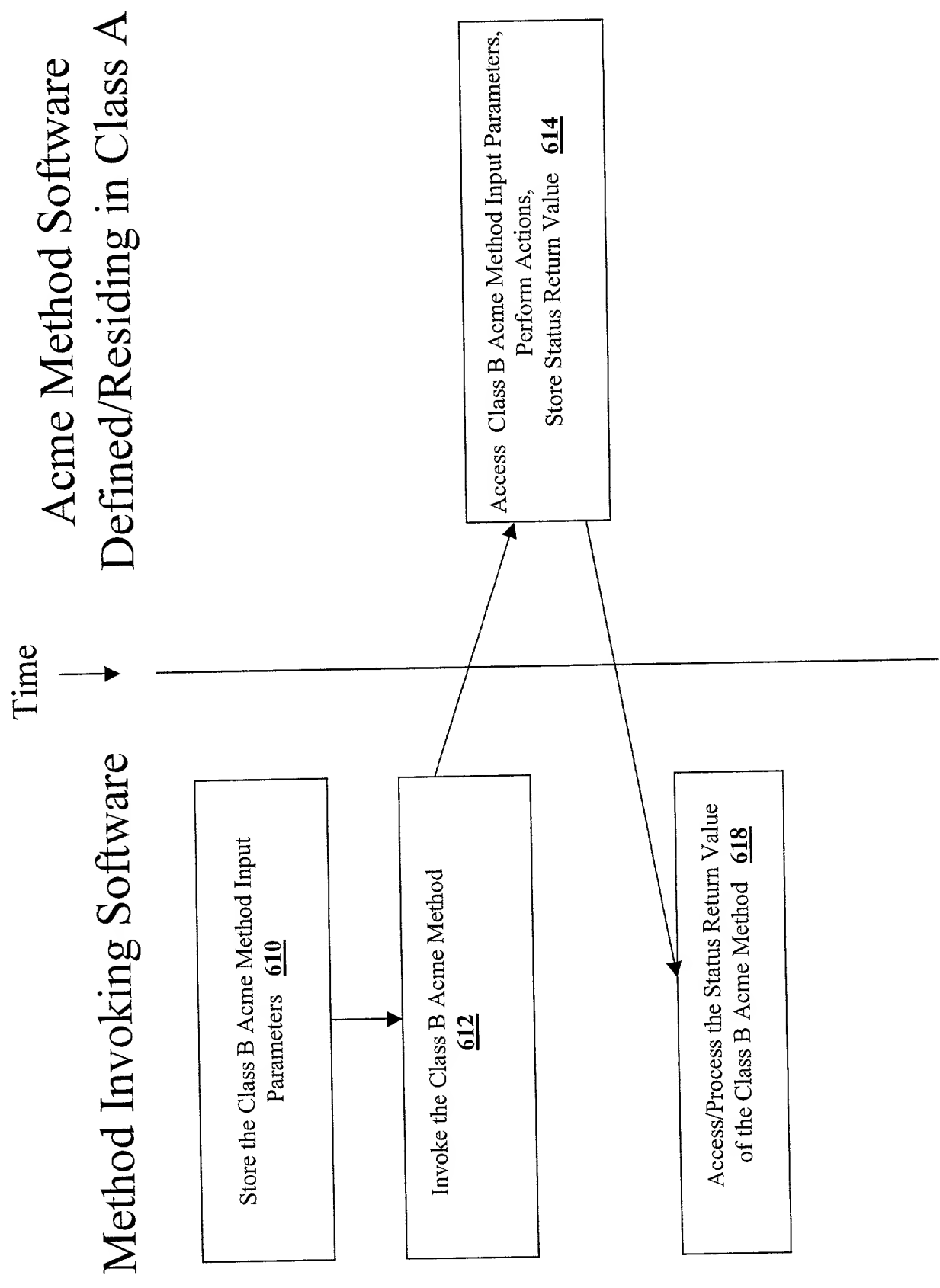
FIG. 5

Class Inheritance



U.S. Pat. No. 6,382,411

FIG. 6 Fully Inherited Method Invocation

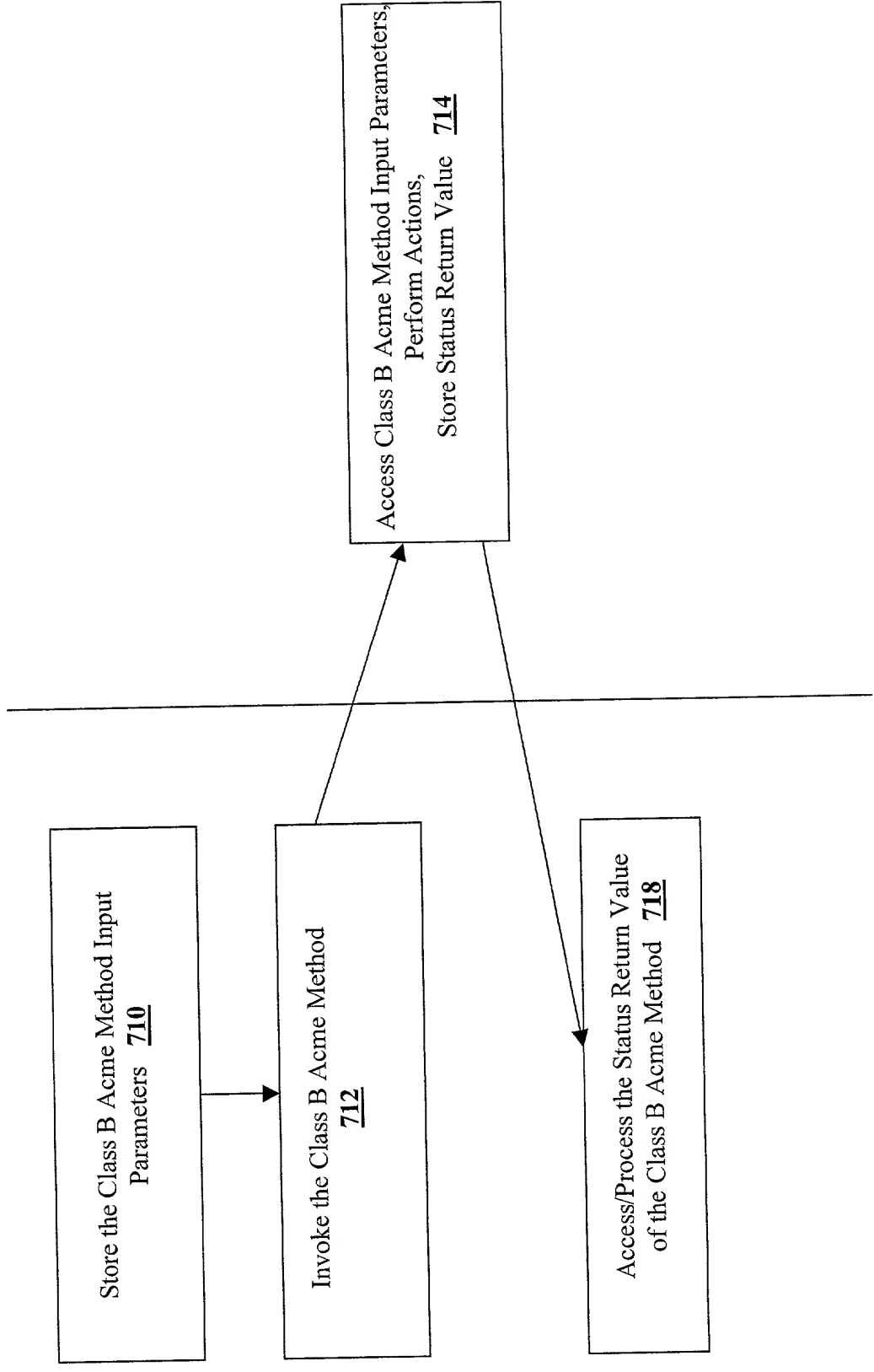


Patent Application No. 10/000,000

FIG. 7 Fully Overridden Method Invocation

Time ↓

Method Invoking Software Acme Method Software
Defined/Residing in Class B



Patented 03/09/2000

FIG. 8 Partially Overridden Method Invocation

Time

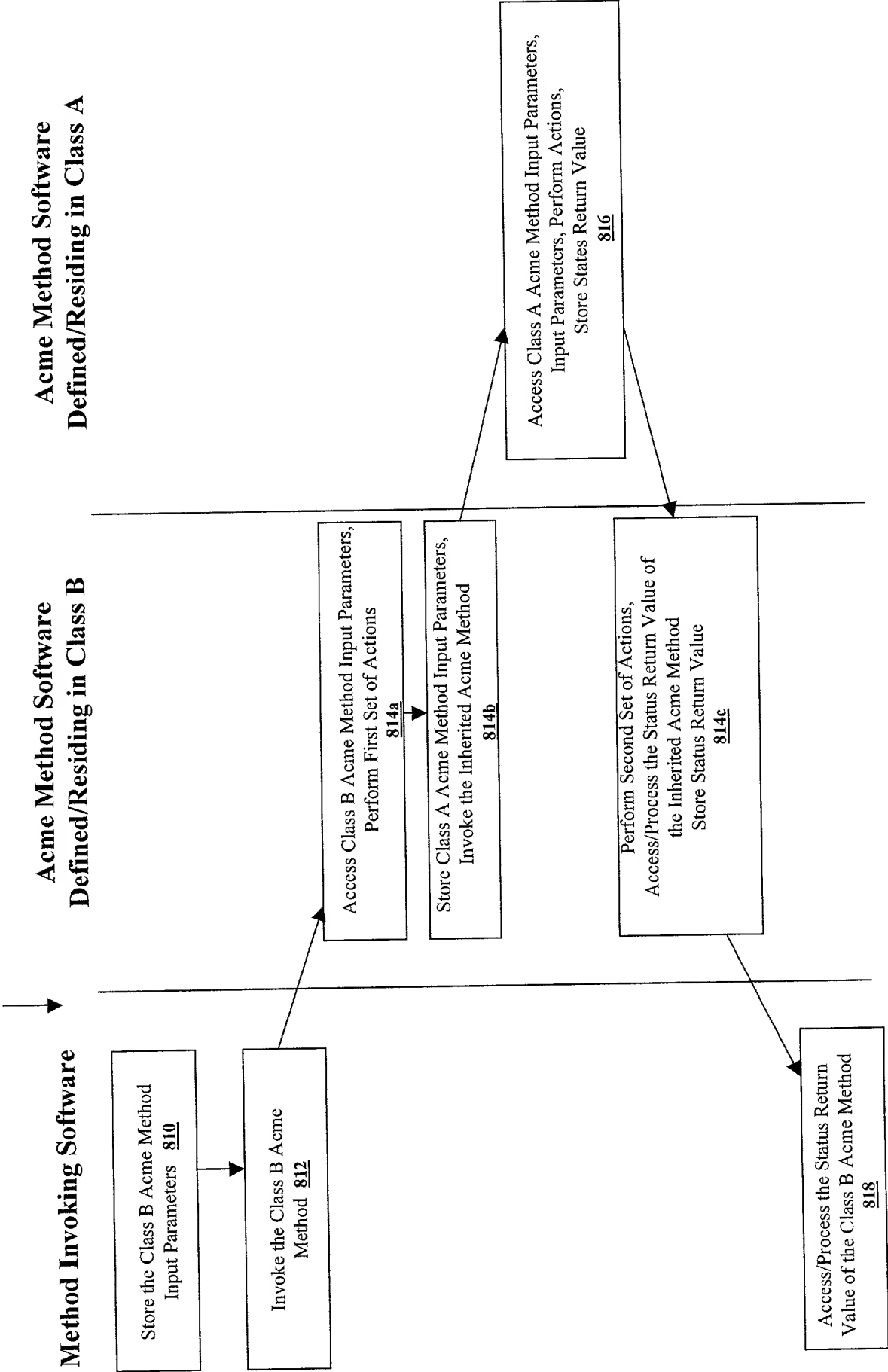


FIG. 9 Class Interceptor Instrumentation

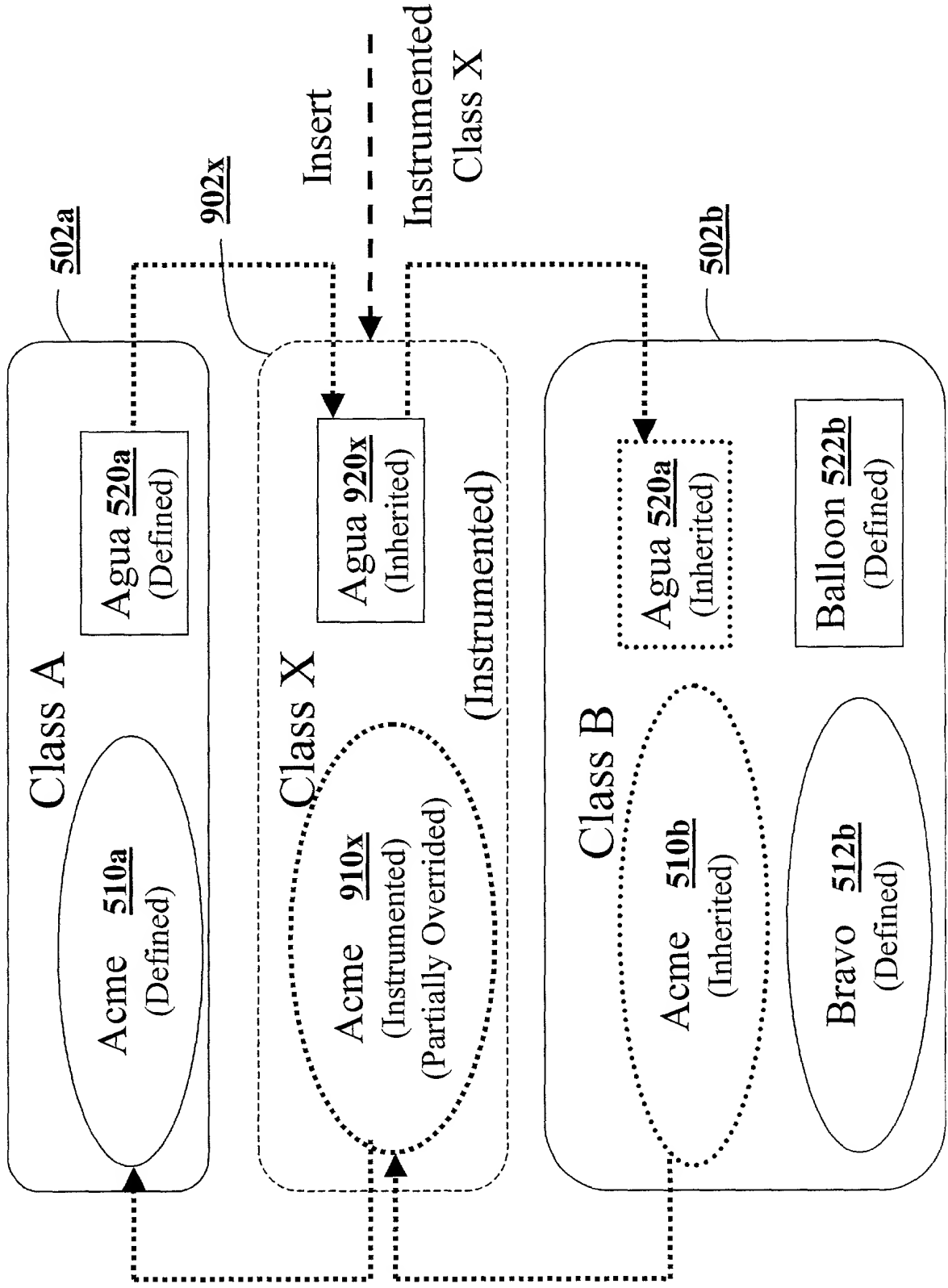
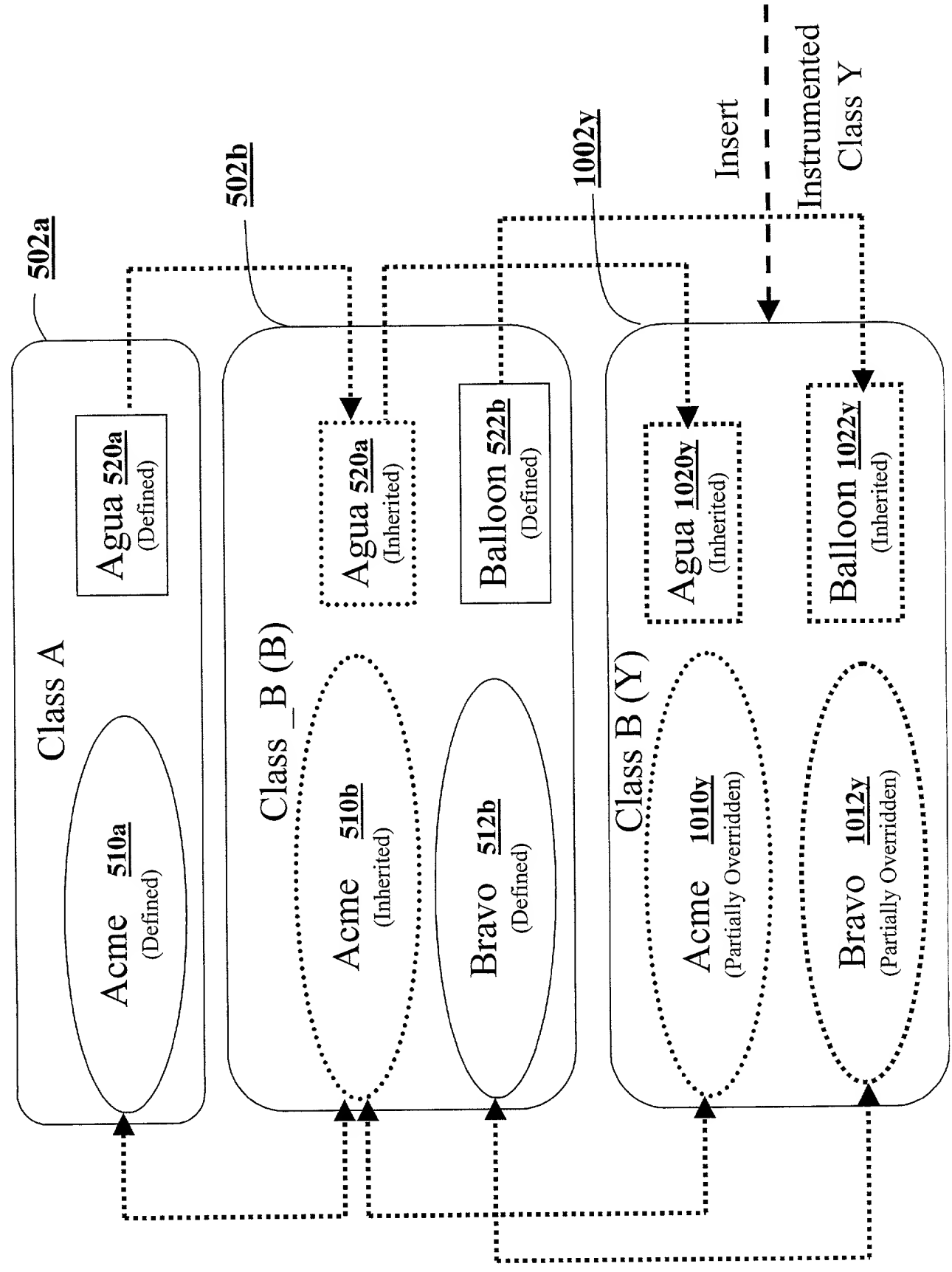


FIG. 10 Class Doppelganger Instrumentation



Patented 03/26/2008

FIG. 11 Class C Internal Components

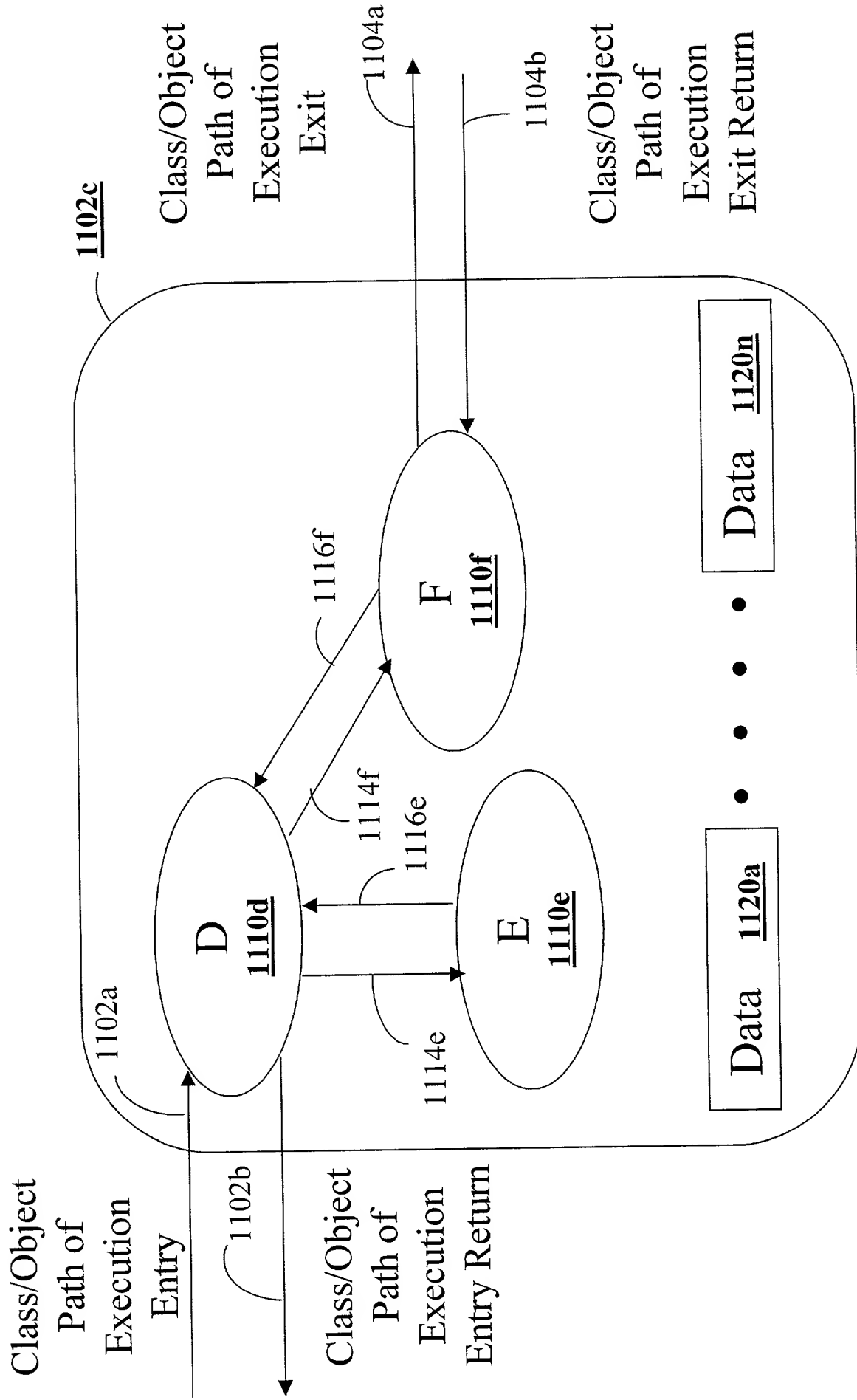


FIG. 12 Method Hijacking Instrumentation
Class Z Internal Components

